

HFUS 3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 084

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 24 MAR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100
TO 24/2100Z: SOLAR ACTIVITY WAS AT A LOW LEVEL DURING THE PAST
24 HOURS. THE DISK REGIONS HAVE SHOWN VERY LITTLE IN THE WAY OF
CHANGE. REGION 4449 (S14E14) HAS INCREASED IN NUMBER OF SPOTS
BUT DECREASED IN SPOT AREA. IT RETAINS ITS SIMPLE BETA MAGNETIC
CONFIGURATION AND IN SPITE OF ITS UNIMPRESSIVE SIMPLICITY IS
THE MOST PROMISING CANDIDATE FOR SIGNIFICANT ACTIVITY. REGION
4451 (S12W15) WAS NUMBERED TODAY AND IS A SIMPLE B TYPE GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN AT A LOW LEVEL FOR THE NEXT 24 HOURS. OLD REGIONS 4434
AND 4432 SHOULD RETURN TO THE VISIBLE DISK DURING THE NEXT 24
HOURS BUT BOTH WERE UNPRODUCTIVE ON THEIR LAST TRANSIT.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z:
THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE AT MID LATITUDES
AND AT ACTIVE TO STORM LEVELS AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 25 MAR-27 MAR

CLASS M 30/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 MAR 114

PREDICTED 25 MAR-27 MAR 113/113/109

90 DAY MEAN 24 MAR 123

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 MAR 020/023

ESTIMATED AFR/AP 24 MAR 012/013

PREDICTED AFR/AP 25 MAR-27 MAR 013/015-010/015-014/015

SOLTERWARN

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